Friday, November 18, 2022

Events

Monday, November 21-Friday, November 25

All day

November Recess

Monday, November 28

4:00 pm  
**Physics Club:** *Title - To be announced*, Pieter Van Dokkum, Yale University, SPL 57. Host: Laura Newburgh.

4:00 pm  
**Molecular Biophysics & Biochemistry Seminar:** *PARP Inhibitors: Mechanisms of Action and Cancer Treatment Paradigms*, Dr. Eli Rothenberg, New York University Langone Health, JEH (315 Cedar Street). Host: David Schatz.

Tuesday, November 29

1:00 pm  
**Condensed Matter Theory Seminar:** *Title - To be announced*, Ruochen Ma, Perimeter Institute, SPL 63. Host: Meng Cheng.

3:00 pm  
**WIDG Seminar:** *Beautiful and Charming Energy Correlators*, Evan Craft, Yale University, WL 216. Host: Sierra Weyhmiller.

4:00 pm  
**Particle Theory Seminar:** *The naturalness of vanishing black hole response*, Riccardo Penco, Carnegie Mellon University, SPL 51. Hosts: Bianka Mecaj, Yuan Xin, Murat Kologlu.

Wednesday, November 30

2:30 pm  

4:00 pm  
**Earth and Planetary Sciences Colloquium:** *Plume-induced plate rotation triggering a plate tectonic chain reaction*, Douwe van Hinsbergen, Utrecht University, KGL 123.

4:15 pm  
**Department of Mathematics Colloquium:** *Complex proofs of real theorems*, Istvaan Prause, University of Eastern Finland, LOM 214.
6:30 pm  **Wu Tsai Institute Student & Postdoc Committee Event: Open Forum**, The Wu Tsai Institute Student & Postdoc Committee (SPC) will be holding our Fall Open Forum on November 30th. We invite all those interested in learning more about the WTI SPC, how you can engage with the Wu Tsai Institute and become a part of the SPC. This will also be an opportunity for you to provide feedback on areas of opportunity to empower students and postdocs at Yale interested in the WTI mission. LUCE 203. [RSVP here](#).

**Thursday, December 1**

1:00 pm  **Condensed Matter Theory Seminar:** *Title - To be announced*, Pok Man Tam, University of Pennsylvania, SPL 63. Host: Meng Cheng.

1:00 pm  **NPA Seminar:** *Project 8 results*, Talia Weiss, Yale University, WL 216. Host: Avinay Bhat.

2:30 pm  **Yale Astronomy Colloquium:** *Elucidating the Origin of Fast Radio Bursts*, Tarraneh Eftekhari, Northwestern University, WTS A-51.

**Friday, December 2**

11:00 pm  **Wright Lab Event:** *The Elusives Journal Club*, WLC 245. Members in the departments of physics and astronomy who work on dark matter and neutrino-related fields are invited to get together to discuss papers related to their field. Topics include: neutrinos, dark matter, BSM physics, fundamental symmetries, precision physics and more. Host: Jorge Torres.

More events

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**News**

**Welcome Elena Siuzdak!**

Elena Suizdak joins Physics Nov. 29, 2022. Elena has been with Yale since 2003, most recently as Operations Manager in the Department of Internal Medicine. She holds a BS in engineering from a University in Moscow and a BS in International Business from the University of Bridgeport. Outside of work, she enjoys spending time with family, skiing and travel.

**Congratulations Volodymyr!**


**Yale undergraduates “cold test” their CubeSat**

A team from the Yale Undergraduate Aerospace Association (YUAA) received a
grant in 2018 from NASA’s CubeSat Launch initiative (CSLI) to develop and fly the Bouchet Low Earth Alpha-Beta Space Telescope (BLAST), a 2U cosmic ray detector spacecraft, in Low Earth Orbit.

2022 Hoodie Ceremony!

On Friday, November 11, 2022 the physics department held the 8th consecutive hoodie ceremony to welcome the class of 2024 to the physics ranks! Due to the weather the ceremony was held in SPL 57 where quite a crowd gathered.

Wright Lab co-hosts GAINS outreach conference

Yale and Wright Lab have partnered with the GAINS Network again to host the 2022 Girls Advancing in STEM (GAINS) Conference on November 13-15, 2022.

Wright Lab welcomes Harvey Moseley

On November 11, Wright Lab welcomed Harvey Moseley, a new research affiliate, to the Wright Lab community. Moseley gave a talk called “From astrophysics to quantum computing – living through a revolution;” held a lunch discussion with students, postdocs, research staff, and faculty; and toured several Wright Lab research laboratories.

Social Media This week

Graduate Students Celebrate completion of qualifying exams

On Friday, November 11th, a group of second-year graduate students celebrated the completion of their qualifying evaluations by letting off some steam at Urban Air Adventure and Trampoline park in Orange, CT. The
Community

SPS Professor Dinner

Undergraduates from the Yale Society of Physics Students met with Wright Lab associate professor David Moore on November 10 in the Benjamin Franklin dining hall to network and learn more about his research in experimental nuclear and particle physics.

Climate and Diversity Committee News

Build emotional intelligence.

Emotional intelligence is the ability to recognize, regulate, and understand emotions in yourself and in others. Effective emotional intelligence skills can help you empathize with others and overcome challenges. While emotional intelligence isn’t a direct rule of etiquette, it will help you in school and work, no matter what conflicts arise.

For example, imagine you’re behind on work and your supervisor or professor suddenly adds a large, time-sensitive project to your plate. With emotional intelligence skills, you can speak with your supervisor or professor to understand the relative priority of the work. Since you're already behind on work, you can express your worry about becoming overworked and work with your supervisor or professor to come up with a solution of which work you can deprioritize or delegate less important tasks.

*If interested in joining the CDC, please contact Rona Ramos, Chair of CDC. You may contact the whole committee at physics-cdc@mailman.yale.edu*

COVID-19 update

Yale COVID-19 Information - click here for updated information.

Opportunities

Faculty Positions

*Asst./Assoc./Full Professor in Experimental Quantum Science* - Yale University

*Associate/Full Professor, Experimental Atomic, Molecular, and Optical Physics* - Yale University
Assistant Professor in Biological Physics - Yale University

Assistant Professor in Experimental Nuclear Physics - Yale University

Assistant Professor in Astrophysics & Cosmology - Yale University

Assistant Professor, Applied Physics (Quantum Information Theory) - Yale University (due date December 1, 2022, anticipated start date July 1, 2023)

Assistant Professor, Applied Physics (Experimental Condensed Matter Physics/Materials Science) - Yale University (due date January 3, 2023, anticipated start date July 1, 2023)

Faculty and Associate Faculty Positions - Perimeter Institute

Cluster hire in Quantum Information, Materials, Sensors, and their Applications - Washington University in St. Louis (deadline November 14, 2022)

Visiting Assistant Professor in Physics and Astronomy - Siena College (deadline November 15, 2022)

Assistant Professor, Department of Physics and Astronomy - University of California, Davis (application deadline November 18, 2022, anticipated start date of July 1, 2023)

Faculty Position in Experimental Physics - Princeton University (application deadline November 18, 2022 or until position is filled)

Assistant Professor Position in Particle Astrophysics, Cosmology, and Gravitational Waves - University of California, Riverside (application open through December 31, 2022, anticipated start date of July 1, 2023)

Assistant/Associate Professor, Physics - Hope College (deadline December 31, 2022)

Tenure-track assistant professor position at ECE - Princeton University (deadline December 31, 2022, preferred start date of September 1, 2023)

Associate Professor Position in Particle Astrophysics, Cosmology, and Gravitational Waves - University of California, Riverside (application open through June 30, 2023, anticipated start date of July 1, 2023)

Assistant Professor Position in Experimental Quantum Information Science - NYU (anticipated start date of Sept. 1, 2023)

Research Scientist Positions

Research Scientist, Relativistic Heavy-Ion Research Group - Yale University

Research Scientists (CHORD radio telescope) 5 Year Term - Perimeter Institute

Postdoctoral Positions

Postdoctoral Associate Position in Theoretical Physics - Yale University

The Department of the Airforce Science & Technology Fellowship Program

Postdoctoral Prize Fellowship and Positions, Galaxies and Cosmology - Max Planck Institute for Astronomy (MPIA) in Heidelberg (deadline November 23, 2022)

Research Fellow - University of Warwick, Coventry (deadline November 30, 2022)

Postdoctoral Scholar position in Quantum Condensed Matter Theory - University of California, Santa Cruz (deadline December 1, 2022)
Postdoctoral Research Associate - Brown University (deadline December 1, 2022)

Sullivan Prize Postdoctoral Fellowship in Astrophysics - Indiana University (deadline December 2, 2022)

Postdoctoral Research Associate/Fellow in Stellar Astrophysics - University of Sydney (deadline December 12, 2022)

Asteroseismology Research Fellow, Physics and Astronomy - University of Birmingham (deadline January 23, 2023)

Prize postdoctoral fellowship at Johns Hopkins Physics and Astronomy - Johns Hopkins University (application open through February 8, 2023, consideration of applications will begin on November 1, 2022)

PhD Position

PhD Positions in Quantum Condensed Matter Theory - University of California, Santa Cruz (deadline January 4, 2023)

Graduate Student and Postdoc Research

Dudley Observatory Astronomer - Siena College

Positions for postdocs and graduate students affected by the war in Ukraine - Perimeter Institute

2023 Dissertation and Postdoctoral Fellowship - Ford Foundation (deadline December 8, 2022)

NRC Research Associateship Programs - National Academies for Sciences, Engineering, Medicine (Online applications open as follows December 1 (closes February 1), March 1 (closes May 1), June 1 (closes August 1), and September 1 (closes November 1))

Undergraduate Research

Research Assistant - Yale School of Medicine (contact Navin Kumar for further information)

- Research Assistant – Harm Reduction (send CV to Keyu Chen keyuchen2020@gmail.com)
- Research Assistant – Data Analysis & Harm Reduction (send CV to Keyu Chen keyuchen2020@gmail.com)

2023 Predoctoral Fellowship - Ford Foundation (deadline December 15, 2022)

WAVE Fellowship - Caltech (deadline January 9, 2023)

Amgen Scholars - Caltech (deadline February 1, 2023)

Graduate Student and Postdoc Schools, Workshops, and Conferences

Quantum Creators Prize Symposium 2022, November 14-15, 2022 - The Chicago Quantum Exchange and the University of Chicago

iid2022: Statistical Methods for Event Data, November 15-19, 2022 - University of Alabama in Huntsville


Grants, Fellowships and Scholarships
Faculty

Simons Emmy Noether Fellowship - Perimeter Institute (deadline January 9, 2023)

Graduate

Amplify Scholarship - Optica (Deadline December 9, 2022)

Undergraduate

Amplify Scholarship - Optica (Deadline December 9, 2022)